

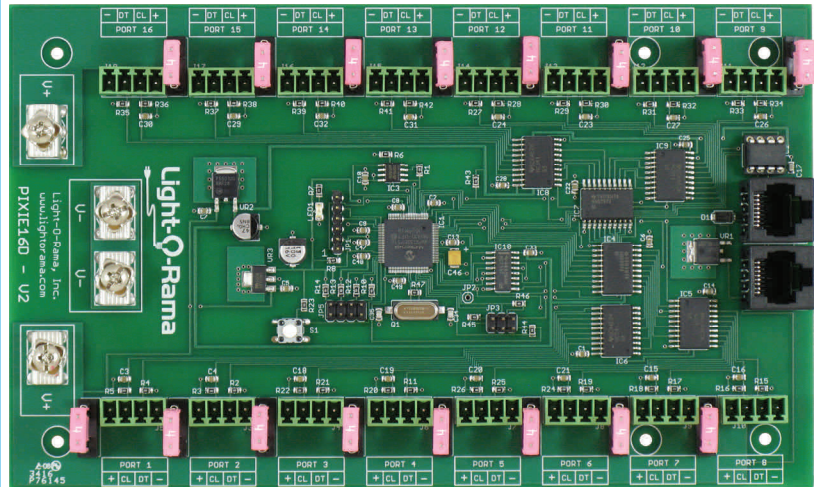
Light-O-Rama

ShowTime

Cosmic Color Pixie16

Pixie16 Controller for 16 Strings of 100 Pixels
www.lightorama.com

- 16 string smart pixel controller
- Up to 100 pixels per string
- Each pixel's color and brightness is individually controllable
- Simple LOR network connectivity; no LAN required. LOR network speeds to 1Mbit
- Appears in the software as 16 unit IDs with up to 100 pixels/unit ID (300 channels per Unit ID)
- Supports legacy mode which makes each string behave like a CCR or single string CCB. Supports all features of these devices (color effects and macros)
- Handles up to 60 amps, 30 for strings 1-8 and 30 amps for strings 9-16
- Strings are individually fused
- Three inputs for interactive shows
- Stand alone program storage for independent operation
- Test button runs red, green and blue down the pixels strings for simple verification of your connections and pixel strings
- Supports all Light-O-Rama pixel ICs. Currently, WS2811 400KHz, WS2811 800KHz, WS2812, WS2801, LDP6803 & SM16716, TMI1803, TMI1804, TMI1809. More to be added.
- 5VDC or 12VDC pixels
- Plug in screw terminal connectors provided for each string



Pixie16

The Pixie16 is an economical, smart pixel controller designed for pixel artifacts like ribbon, bulb or pixel trees. It controls up to 1600 smart RGB pixels over a standard LOR network. LOR USB adapter to controller connection operating at up to 1Mbits/sec eliminates the need for a LAN.

The Pixie16 can be used with older sequences which do not use Enhanced Pixel protocol. It also supports Enhanced Pixel protocol for use with all the latest pixel support capabilities of S5.

Sequences already written for the CCR and CCB controllers can be used with this controller by changing the Unit IDs to align with the Pixie16.

The controller is assigned one unit ID, which is the base unit ID. This unit ID controls pixel string #1. It responds to successive unit IDs to control pixel strings 2-16.

The controller is supplied with 16 screw terminal plugs. The pixels strings are connected to these plugs which are then pushed into the connectors on the board. This arrangement simplifies artifact storage, assembly and damaged component replacement.



Complete systems including a Pixie16, power supply, weatherproof plastic case and 12 or 16 ribbon, bulb or pixel strings will be available with a system discount. Included, of course, is the Light-O-Rama Showtime two year warranty on all components.

Specifications

Configuration	16 strings of up to 100 smart pixels
Current	30 amps for strings 1-8 and 30 amps for strings 9-16
Voltage	5 VDC or 12 VDC pixels
Operating Temp	-30° F to 140° F
Controller dimensions	7 $\frac{7}{8}$ "L x 4 $\frac{3}{4}$ " W x 1"H

Imagine it, then do it

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